

REMARKS

Claims 1-20 are in this application and are presented for consideration. By this Amendment, Applicant has amended claims 1-11. Applicant has also added new claims 12-20.

The drawings have been objected to under 37 CFR 1.83(a) because the Office Action states that each feature of the invention specified in the claims is not shown in the drawings.

Applicant has attached a replacement sheet of drawings of the Figure. The Figure has been amended to show the inlet opening 30, the motor drive 31 and the sensors 32.

Claims 1-11 have been rejected under 35 U.S.C. 102(b) as being anticipated by Koslowski (DE 2702214 A).

The Office Action states that for page and paragraph reference an English translation of the reference is attached to the Office Action. However, Applicant has not received an English translation of Koslowski. Applicant has only received an English translation of DE 3828852. For purposes of responding to this Office Action, Applicant assumes that Koslowski is the only reference that applies to this rejection and that the English translation of DE 3828852 was in error as it appears to have nothing to do with the current rejection. However, appropriate clarification is requested.

The present invention relates to an apparatus for circulating air within double glazed thermoinsulated walls having an internal glass pane and an external glass pane. The internal glass pane is parallel to the external glass pane such that a space is defined between the internal glass pane and the external glass pane. An air inlet is exclusively in communication with the space defined by the glass panes and an inside house environment. An air outlet is in

communication with an outside environment. A fan draws air from the inside house environment through the air inlet and exhausts the air through the air outlet such that air flows through the space between the glass panes. This provides the space defined by the glass panes with air having a temperature that is equal to the temperature of the inside house environment. This advantageously allows thermal insulation between the inside house environment and the outside environment. The present invention supplies warm air from the interior environment to the space defined by the glass panes during the winter and cool air-conditioned air to the space during summer so that the double-glazed walls. This significantly reduces thermal losses between the inside house environment and the outside environment during the winter and summer seasons.

Koslowski discloses a fan 22 for drawing air from an outside environment and an internal environment via a single lower air inlet. The air is drawn either from the outside environment or the internal environment depending on the temperature of the outside environment. Thermostats are provided to determine when the lower air inlet opening is opened to either the internal environment or the external environment.

Koslowski fails to teach and fails to suggest the combination of an inlet opening that is exclusively in communication with an inside house environment. Koslowski merely discloses an inlet that is in communication with both an external environment as well as an internal environment. Koslowski fails to teach that the air is drawn exclusively from the inside environment. In fact, Koslowski does not disclose that the air temperature within space 8 is the same as the air temperature within the internal environment. In contrast to Koslowski, the

present invention draws air exclusively from the internal environment through an inlet in the internal glass pane so that the air within the space between one glass pane and another glass pane has a temperature that is equal to the internal environment. This advantageously provides excellent thermal insulation during both the summer and winter seasons so that significant thermal losses are prevented. Compared with the present invention, Koslowski does not suggest an inlet opening that is only provided in the internal glass pane as claimed. As such the prior art as a whole takes a different approach and fails to suggest each feature of the claimed combination. Accordingly, Applicant respectfully requests that the Examiner favorably consider claim 1 as now amended and all claims that depend thereon.

Applicant has added new claims 12-20. New independent claim 12 provides for an electric motor and sensors that detect hygrothermal conditions of the air. The electric motor actuates the tangential fan based on the hygrothermal conditions of the air sensed by the sensors such that the temperature within the space defined by the glass panes is equal to a temperature of the interior house environment. This is a significant departure from the teachings of Koslowski. Koslowski merely teaches that the lower air inlet is in communication with either the internal environment or the external environment depending on the temperature of the air as detected by the thermostats. The speed of fan 22 of Koslowski is not controlled based on the hygrothermal conditions of the air as claimed.

New independent claim 19 provides for features similar to currently amended claim 1 but in different claim language. New independent claim 19 highlights the airflow path used to draw air from the interior house environment to the outside environment such that the

temperature within the space defined by the two glass panes is equal to the temperature of the interior house environment. New dependent claims 13-18 and 20 have been added to further clarify the features of the invention.

Favorable action on the merits is requested.

Respectfully submitted
for Applicant,



By: _____
John James McGlew
Registration No. 31,903
McGLEW AND TUTTLE, P.C.

- and -



By: _____
Brian M. Duncan
Registration No. 58,505
McGLEW AND TUTTLE, P.C.

JJM:BMD
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Attached: Substitute Specification
Marked-up Copy of Substitute Specification
(1) Replacement Sheet of Drawings

DATED: November 8, 2007
BOX 9227 SCARBOROUGH STATION
SCARBOROUGH, NEW YORK 10510-9227
(914) 941-5600

SHOULD ANY OTHER FEE BE REQUIRED, THE PATENT AND TRADEMARK OFFICE IS HEREBY REQUESTED TO CHARGE SUCH FEE TO OUR DEPOSIT ACCOUNT 13-0410.